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PATENT

Attorney Docket No. SONY-00000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Applications of:

See attached table of Exhibit A

Serial No.:

Filing Date:

For:

POWER OF ATTORNEY AND
REVOCATION OF PRIOR
POWERS OF ATTORNEYRECEIVED
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SEP 29 2003

Assistant Commissioner of Patents
Washington, D.C. 20231

OFFICIAL

Sir:

Sony Corporation and Sony Electronics Inc. owners of record of the applications included within the table of Exhibit A attached hereto, hereby revokes all prior powers of attorney which may have been filed with these patent applications and appoints the members of the firm of HAVERSTOCK & OWENS LLP, a firm including Jonathan O. Owens (Reg. No. 37,902) and Thomas B. Haverstock (Reg. No. 32,571), as its attorneys with full power of substitution to transact all business in the Patent and Trademark Office in connection therewith.

Sony Corporation and Sony Electronics, Inc. also hereby appoint the following attorney(s) and/or agent(s) to prosecute these applications and transact all business in the Patent and Trademark Office connect therewith:

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SEP 29 2003

Dated: Sept. 4, 2002

Sony Corporation

By: Fred ZustakName: FRED ZUSTAKTitle: MR. OF OPERATIONS, IPD

Sony Electronics Inc.

By: Fred ZustakName: FRED ZUSTAKTitle: MR. OF OPERATIONSDated: Sept. 4, 2002

EXHIBIT A

TITLE	SERIAL NO.	FILING DATE	PATENT NO.	ISSUE DATE	INVENTOR(S)	IPD #	ATTY DOCKET
ROTARY MENU WHEEL INTERFACE	08/867,279 2773	6/2/97	6,028,600	2/22/00	Robert Rosin Yumie Sonoda Makoto Nijima Hiroaki Nakano	50K1648	SONY-18000
CLIENT AND SERVER SYSTEM	08/867,266 2611	6/2/97	6,397,387	5/28/02	Robert Rosin P. Robert Hsu Yumie Sonoda Makoto Nijima Hiroaki Nakano	50K1649	SONY-18100
ACTIVE FRAME SCROLL INTERFACE	08/867,543 2773	6/2/97	6,072,483	6/6/00	Robert Rosin P. Robert Hsu Yumie Sonoda Makoto Nijima Hiroaki Nakano	50K1656	SONY-18200
FILTERING SYSTEM BASED ON PATTERN OF USAGE	08/867,613 2611	6/2/97	6,260,192 BI	6/6/00	Robert Rosin P. Robert Hsu Yumie Sonoda Makoto Nijima Hiroaki Nakano	50K1657	SONY-18300
TELEVISION/INTERNET SYSTEM HAVING MULTIPLE DATA STREAM CONNECTIONS	08/867,264 2711	6/2/97	6,195,692 BI	2/27/01	P. Robert Hsu	50K1658	SONY-18400

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TITLE	SERIAL NO.	FILING DATE	PATENT NO.	ISSUE DATE	INVENTOR(S)	IPD #	ATTY DOCKET
INTERACTIVE TICKER	08/912,682 2773	8/18/97			Robert Rosin P. Robert Hsu Yumie Sonoda	50L1838	SONY-18500
AUDIO NOISE REDUCTION SYSTEM IMPLEMENTED THROUGH DIGITAL SIGNAL PROCESSING	08/562,287 2747	11/22/95	5,907,623	5/25/99	Laura Mercs Paul M. Embree	50I1350	SONY-18700
AUDIOVISUAL EFFECTS PROCESSING METHOD AND APPARATUS FOR INSTANTANEOUS STORAGE-BASED PLAYBACK OF AUDIO DATA IN SYNCHRONIZATION WITH VIDEO DATA	08/891,895 2715	07/14/97	6,188,830 B1	2/13/01	James S. Mercs Paul M. Embree	50K1414	SONY-19200
EFFECT PROCESSING SYSTEM AND METHOD	08/976,993 2714	11/24/97	5,978,045	11/2/99	James S. Mercs	50K1415	SONY-19300
A SEQUENTIALLY-ACTIVATED MULTIPLE FLASHLAMP LAMPHOUSE SYSTEM AND METHOD	09/234,648 2821	1/21/99	6,157,144	12/5/00	John J. Galt James Pearman	50K1390	SONY-19400

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TITLE	SERIAL NO.	FILING DATE	PATENT NO.	ISSUE DATE	INVENTOR(S)	IPD #	ATTY DOCKET
CIRCULAR BUFFER FOR PROCESSING AUDIO SAMPLES	08/937,140 2751	9/24/97	6,044,434	3/28/00	Richard J. Oliver	50L2143	SONY-20200
AUDIO SAMPLE TRACKER	08/960,019 2763	10/29/97	6,086,620	7/11/00	Richard J. Oliver Casper W. Barnes	50L2142.01	SONY-20101
VARIABLE-LENGTH MOVING-AVERAGE FILTER	08/958,596 2741	10/22/97	6,012,831	1/4/00	Richard J. Oliver Paul M. Embree Casper W. Barnes	50L2144.01	SONY-20301
AN ARRAY OF DISPLAYED GRAPHIC IMAGES FOR ENABLING SELECTION OF A SELECTABLE GRAPHIC IMAGE	09/006,472 2773	1/13/98	5,977,975	11/2/99	Kazuo Mugum Eduardo Sciammarella Scott Kravitz	50M2316	SONY-20500
BUFFER MANAGEMENT SYSTEM FOR DIGITAL AUDIO	09/034,254 2644	3/4/98			Laura Meres Paul M. Embree James S. Meres	50L2318.01	SONY-19701
SAMPLE ACCURATE AUDIO STATE UPDATE	09/034,300 2741	3/4/98	5,999,906	12/7/99	Laura Meres Paul M. Embree James S. Meres	50L2140.01	SONY-19901
CONTENT NAVIGATOR GRAPHICAL USER INTERFACE SYSTEM AND METHOD	09/201,818 2611	11/30/98			Robert Rosin Yunnie Sonoda	50M2338	SONY-20900

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TITLE	SERIAL NO.	FILING DATE	PATENT NO.	ISSUE DATE	INVENTOR(S)	IPD #	ATTY DOCKET
AUDIO NOISE REDUCTION SYSTEM IMPLEMENTED THROUGH DIGITAL SIGNAL PROCESSING	09/158,674 2644	9/22/98			Laura Meres Paul M. Embreo	50J1350.01	SONY-18701
ROTARY MENU WHEEL INTERFACE	09/498,191 2173	2/4/00	6,411,307 B1	6/25/02	Robert Rosin Yumle Sonoda Makoto Nijima Hiroaki Nakano	50K1648.01	SONY-18001
SYSTEM AND METHOD FOR ENABLING AUTOMATIC PERFORMANCE OF INSTRUMENT FUNCTIONS	09/590,597 2681	6/9/00	63,74,121 B1	4/16/02	Kazuto Mugura Eduardo Sciammarrella Scott Kravitz	50M2318.01	SONY-20701
WEB CHANNEL GUIDE GRAPHICAL USER INTERFACE SYSTEM AND METHOD	09/739,938 2173	12/18/00			Robert Rosin Yumle Sonoda	50M2337.01	SONY-21001
GRAPHIC USER INTERFACE ENABLING MANIPULATION OF GRAPHIC IMAGES ON A DISPLAY SCREEN	09/825,127 2174	4/2/01			Kazuto Mugura Eduardo Sciammarrella Scott Kravitz	50L1923.02	SONY-19602

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TITLE	SERIAL NO.	FILING DATE	PATENT NO.	ISSUE DATE	INVENTOR(S)	IPD #	ATTY DOCKET
METHOD AND APPARATUS FOR CHANGING PHASE OF VIDEO PROGRAM MATERIAL TAKEN FROM 24 FRAME PER SECOND FILM	09/844,834 2615	4/27/01			John Galt James Pearman	50K1394.03	SONY-19003
CLIENT AND SERVER SYSTEM	09/948,401 2611	9/6/01			Robert Rosin P. Robert Hsu Yunnie Sonoda Makoto Nijjima Hiroaki Nakano	50K1649.01	SONY-18101
COMPACT LIGHT SOURCE EMPLOYING ELECTRONICALLY CONTROLLED HALF WAVE PLATES	10/008,046 2613	11/7/01			John Galt James Pearman	50K1395.03	SONY-19103
SYSTEM AND METHOD FOR ENABLING MANIPULATION OF GRAPHIC IMAGES TO FORM A GRAPHIC IMAGE	10/171,476 2174	6/13/02			Kazuto Mugura Eduardo Sciammarella Scott Kravitz	50M2317.02	SONY-20602